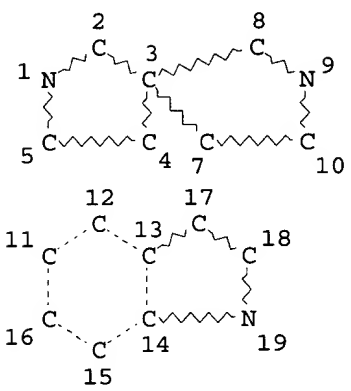
=> d 18
L8 HAS NO ANSWERS
L8 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC 3 11
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

=> s l8 ful
FULL SEARCH INITIATED 16:51:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 327 TO ITERATE

100.0% PROCESSED 327 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L10 1 SEA SSS FUL L8

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	300.38	300.80

FILE 'CAPLUS' ENTERED AT 16:51:07 ON 31 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

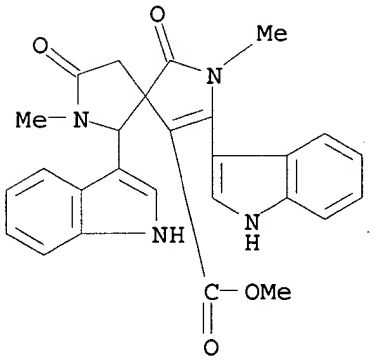
FILE COVERS 1907 - 31 Mar 2003 VOL 138 ISS 14
FILE LAST UPDATED: 30 Mar 2003 (20030330/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l10
L11 1 L10

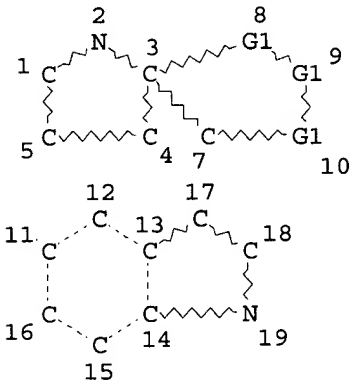
=> d bib abs hitstr

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 2001:893118 CAPLUS
DN 136:278913
TI Heterocycles through domino reactions with trimethyl aconitate, a versatile synthetic building block
AU Witthaut, Daniel; Frohlich, Roland; Schafer, Hans J.
CS Organisch-chemisches Institut der Universitat, Munster, 48149, Germany
SO Angewandte Chemie, International Edition (2001), 40(22), 4212-4214
CODEN: ACIEF5; ISSN: 1433-7851
PB Wiley-VCH Verlag GmbH
DT Journal
LA English
AB Heterocyclic compds. were prepd. from 1-propene-1,2,3-tricarboxylic acid tri-Me ester (tri-Me aconitate) and imines. Imines used in this study included N-(phenylmethylene)benzenemethanamine, N-(naphthalenylmethylene)benzenemethanamine, 2-[[(phenylmethyl)imino]methyl] phenol, N-(phenylmethylene)-2-furanmethanamine, N-(phenylmethylene)methanamine and N-[(2-pyridinyl)methylene]methanamine. The domino reactions comprised an imine addn. and intramol. acylation. Crystal and mol. structures for many compds. thus prepd. were detd.
IT **406219-55-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of heterocyclic compds. via domino reaction of 1-propene-1,2,3-tricarboxylate with imines)
RN 406219-55-4 CAPLUS
CN 2,7-Diazaspiro[4.4]non-3-ene-4-carboxylic acid, 3,6-di-1H-indol-3-yl-2,7-dimethyl-1,8-dioxo-, methyl ester (9CI) (CA INDEX NAME)



RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l12
L12 HAS NO ANSWERS
L12 STR



VAR G1=C/N
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC 3 11
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

=> s l12 ful
FULL SEARCH INITIATED 16:52:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 23158 TO ITERATE

100.0% PROCESSED 23158 ITERATIONS 75 ANSWERS
SEARCH TIME: 00.00.01

L14 75 SEA SSS FUL L12

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	148.55	454.30

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.65

FILE 'CAPLUS' ENTERED AT 16:52:50 ON 31 MAR 2003

strictly prohibited.

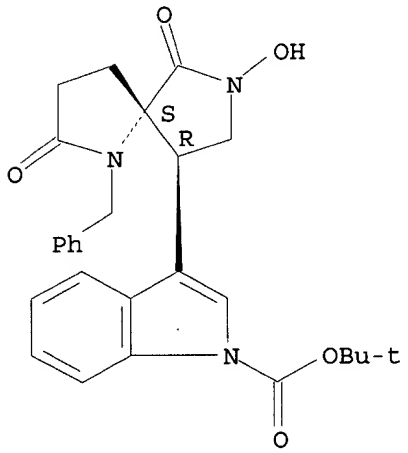
FILE COVERS 1907 - 31 Mar 2003 VOL 138 ISS 14
FILE LAST UPDATED: 30 Mar 2003 (20030330/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l14
L15 52 L14

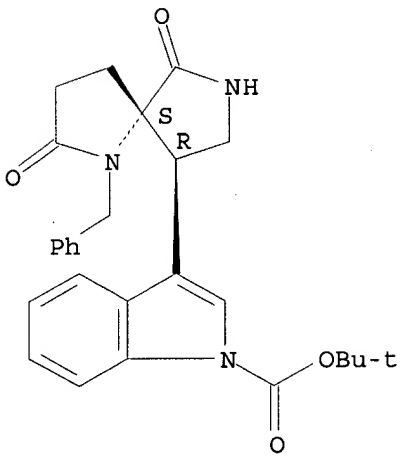
AN 2002:456531 CAPLUS
DN 137:279446
TI Chemoselective Michael reactions on pyroglutamates. Expeditious synthesis of spiro-bis-.gamma.-lactams as .beta.-turn peptidomimetics
AU Brana, Miguel F.; Garranzo, Maria; de Pascual-Teresa, Beatriz; Perez-Castells, Javier; Torres, Maria Rosario
CS Departamento de Quimica Organica y Farmaceutica, Facultad de CC, Experimentales y de la Salud, Urb. Monteprincipe, Boadilla del Monte, Universidad San Pablo-CEU, Boadilla del Monte, Madrid, 28668, Spain
SO Tetrahedron (2002), 58(24), 4825-4836
CODEN: TETRAB; ISSN: 0040-4020
PB Elsevier Science Ltd.
DT Journal
LA English
AB Starting from pyroglutamic acid, the synthesis of spiro-bis-.gamma.-lactams, using as key step a chemoselective Michael reaction of pyroglutamates is reported. Thus, the reaction of N-BOC-L-Me pyroglutamate (BOC = tert-butoxycarbonyl) with LiHMDS gives the enolates at C4 which react with several Michael acceptors. On the other hand, N-benzyl-L-Me pyroglutamate reacts under the same conditions, to give the ester enolate which reacts with Michael acceptors leading to quaternized derivs. The synthesis of the bicyclic spirolactams results from a redn. of the nitro group present in these derivs. which directly gives the spiro compds. These final compds. may act as .beta.-turn mimetics, as they have torsion angles which are in the range of .beta.-turns of type II and II'.
IT **464201-05-6P 464201-09-0P 464201-17-0P 464201-21-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of bicyclic spirolactams as .beta.-turn peptidomimetics via chemoselective Michael reaction of pyroglutamates)
RN 464201-05-6 CAPLUS
CN 1H-Indole-1-carboxylic acid, 3-[(5R,9S)-7-hydroxy-2,6-dioxo-1-(phenylmethyl)-1,7-diazaspiro[4.4]non-9-yl]-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



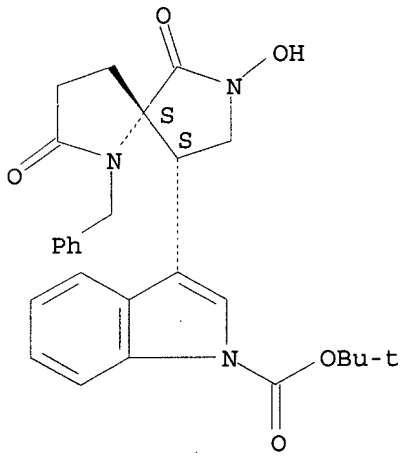
RN 464201-09-0 CAPLUS
CN 1H-Indole-1-carboxylic acid, 3-[(5R,9S)-2,6-dioxo-1-(phenylmethyl)-1,7-diazaspiro[4.4]non-9-yl]-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



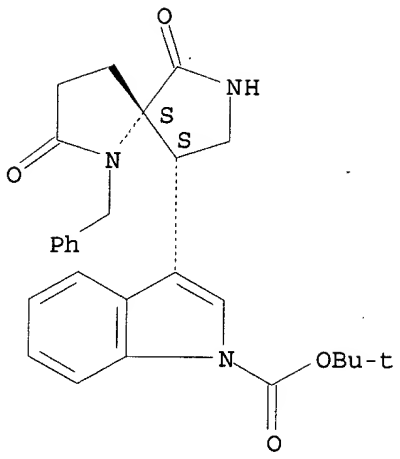
RN 464201-17-0 CAPLUS
CN 1H-Indole-1-carboxylic acid, 3-[(5R,9R)-7-hydroxy-2,6-dioxo-1-(phenylmethyl)-1,7-diazaspiro[4.4]non-9-yl]-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 464201-21-6 CAPLUS
CN 1H-Indole-1-carboxylic acid, 3-[(5R,9R)-2,6-dioxo-1-(phenylmethyl)-1,7-diazaspiro[4.4]non-9-yl]-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT